

INSULTHERM™ ULTRAFLEXX

- UL Recognized
- Continuous Filament E-Type Glass
- Resists Abrasion, Vibration, And Mechanical Stress
- Easy To Install - Cuts With Scissors
- Stays Flexible In Low Temps

Put-Ups

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
			Min.	Max.				
1/4"	FHN0.25NT	0.010"	1/4"	5/16"	250'	100'	Natural	1.00
3/8"	FHN0.38NT	0.012"	3/8"	1/2"	250'	100'	Natural	1.20
1/2"	FHN0.50NT	0.013"	1/2"	5/8"	100'	50'	Natural	1.60
5/8"	FHN0.63NT	0.024"	5/8"	3/4"	100'	50'	Natural	3.00
3/4"	FHN0.75NT	0.024"	3/4"	7/8"	100'	50'	Natural	3.80
1"	FHN1.00NT	0.024"	1"	1 1/4"	100'	50'	Natural	4.30



Cut Cleanly
Scissors

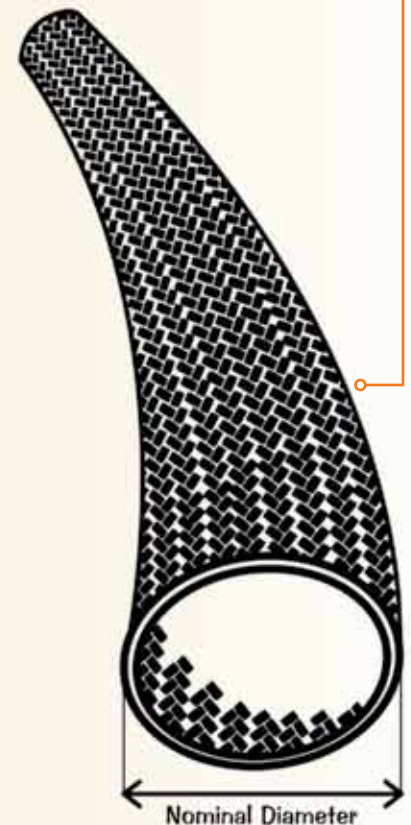
Braided Fiberglass Protects up to 1,200°F

INSULTHERM ULTRAFLEXX fiberglass sleeving is ideal for the protection of wires and hoses exposed to the heat generated from high performance engine and exhaust components.

The heat treated sleeving cuts with scissors and is compatible with most bonding and saturation systems.

Ultraflexx expands slightly, allowing it to slide easily over wires and follow curves and contours without binding.

- **Colors Available:**
Natural (NT)



“...will withstand extreme heat...
provides the protection needed”

Material
Fiberglass

Grade
FHN

Wall Thickness
Refer to Chart



www.techflex.com

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INSULTHERM™ ULTRAFLEXX



Abrasion Resistance
Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
78°F

Humidity
72%

Material Destroyed
100 Test Cycles

Pre-Test Weight
3,374.0 mg

Post-Test Weight
2,839.3 mg

Test End Loss Of Mass
Point Of Destruction
534.7 mg



Rating _____ **VW-1**



Chemical Resistance

1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	1
Salt Water 0-S-1926	1
Hydraulic Fluid MIL-H-5606	1
Lube Oil MIL-L-7808	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	2
Strong Oxidants	2
Esters/Keytones	1
UV Light	2
Petroleum	1
Fungus ASTM G-21	1
Halogen Free	Yes
RoHS	Yes
SVHC	None

Melt Point

ASTM D-2117

2,048°F (1,120°C)

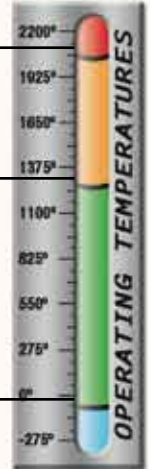
Maximum Continuous

Mil-I-23053

1,202°F (650°C)

Minimum Continuous

-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____ **NA**
ASTM D-204

Flammability Rating _____ **VW-1**

Recommended Cutting _____ **Scissor**

Colors _____ **1**

Wall Thickness _____ **.010-.024**

Tensile Strength (Yarn) _____
ASTM D-2256 Lbs

Specific Gravity ASTM D-792 _____ **1.0-1.8**

Moisture Absorption _____ **.01**
% ASTM D-570

Hard Vacuum Data ASTM E-595 at 10-5 torr

TML _____ **.01**

CVCN _____ **.00**

WVR _____ **.00**

Smoke D-Max _____
ASTM E-662

Oxygen Index _____ **Low**

Oxygen Index _____
ASTM D-2863